State of Alaska
Department of Fish and Game
Nomination for Waters
Important to Anadromous Fi

Chenega of Segments 0-01 : 0-02 (Mainstem)

AWC Volume SE (SC) SW W AR IN USGS Quad Seward B-3

Anadromous Water Catalog Number of Waterway 226-20-16228

Name of Waterway _____ USGS name ____ Local name ____

Addition X Deletion ____ Correction ____ Backup Information ____

For Office Use

Nomination # 94 106	[signature] Regional Supervisor	1/4/94 Date
Revision Year: '94	[signature]	12/28/93
Revision to: Atlas ____ Catalog ____ Both X	[signature] Drafted	2/3/94 Date
Revision Code: A-2		

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Migration	Anadromous
Sockeye salmon - Juvenile	8-12-93		10		✓
Chum salmon - Adult	8-12-93	50			✓
Pink salmon - Adult	8-12-93 / 8-28-93	10 / 22			✓
Coho salmon - Juvenile	8-12-93		22		✓
Dolly Varden - Juvenile	8-12-93			1	

IMPORTANT: Provide all supporting documentation that this water body is important for the spawning, rearing or migration of anadromous fish, including: number of fish and life stages observed; sampling methods, sampling duration and area sampled; copies of field notes; etc. Attach a copy of a map showing location of mouth and observed upper extent of each species, as well as any other information such as: specific stream reaches observed as spawning or rearing habitat; locations, types, and heights of any barriers; etc.

Comments: Adult salmon species were visually identified and enumerated. Juvenile coho were captured by minnow trap. Juvenile sockeye were captured by dipnetting. Positive ID was made by examining the gillrakers. Coho distribution extended to the barrier, a spring. Upper extent of sockeye fry, pink salmon and chums is indicated on the map. Stream width ranged from 3 meters at the mouth to 20 meters at the upper extent barrier. Gradient is 1 percent. Good spawning gravel.

ALASKA DEPT. OF FISH & GAME
NOV 02 1993
REGION II HABITAT AND RESTORATION DIVISION

Name of Observer (please print) JEFF BARNHART

Date: 9-30-93 Signature: Jeff Barnhart

Address: 333 Raspberry Road
Anchorage AK

This certifies that in my best professional judgement and belief the above information is evidence that this waterbody should be included in or deleted from the Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes per AS 16.05.870.

Signature of Area Biologist: _____ Rev. 7/93

STREAM HABITAT ASSESSMENT 1993 – STREAMS

STREAM: CHENEGA-01 QUAD: SEWARD-B3 STAGE: H M (L)

LANDOWNER: (Chenega) CAC Eyak Tatitlek Pt. Graham English Bay (circle one)

DATE(s): 08/12/93 UTM ZONE: 6

GPS FILES: 080812CE

SKETCH (indicate UTM zones, if not uniform throughout the stream)

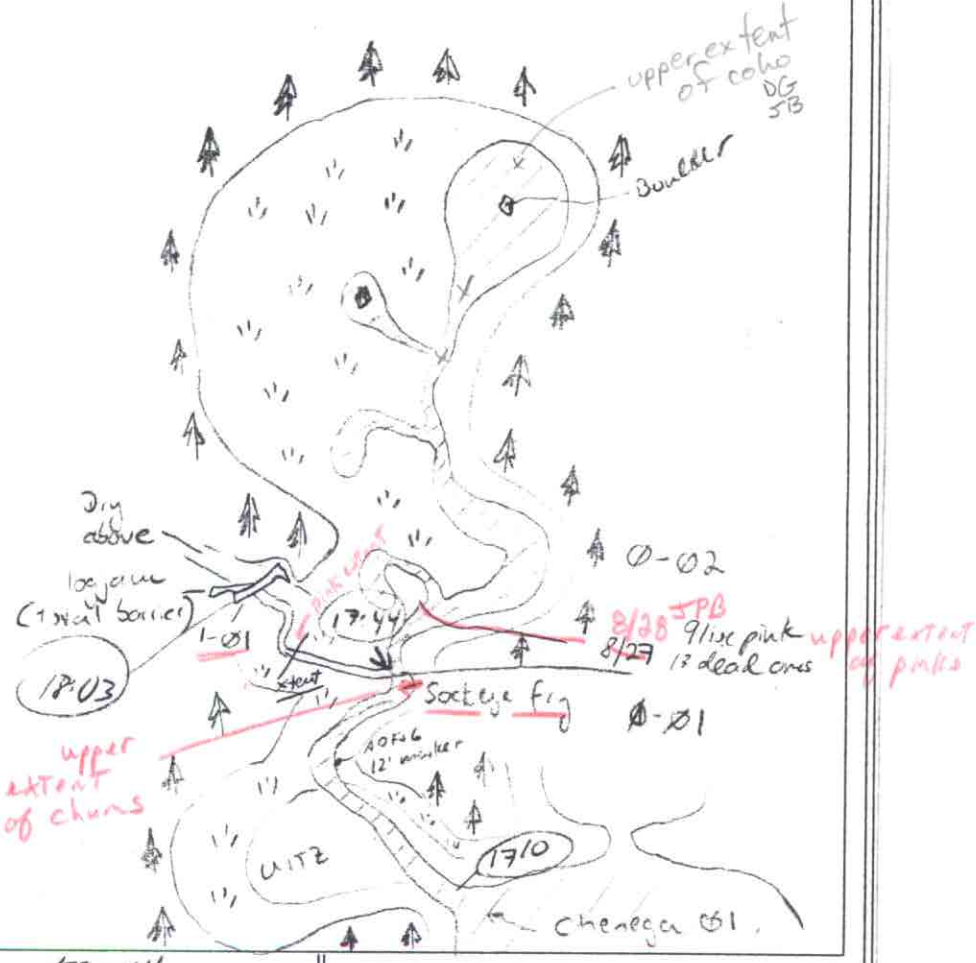


PHOTO ROLL(s): KS-04

VIDEO TAPE(s):

FRAME	DESCRIPTION
4	UITZ
5	CHUM AT MOUTH
6	CHUM STRANDED IN LOW WATER
7	1-01 mid segment

DATE	

(Please enter comments on the other side)

STREAM HABITAT ASSESSMENT 1993 – SEGMENTS

STREAM: Chenega 1 SEGMENT: Ø - 02 DATE: 8/12/93 TEAM: KSDG

ANADROMOUS: y n WIDTH (m): 5-20 LENGTH (m): 100 GPS DATE: __/__/ DIGITIZE: y n

WATERBODY: (mainstem) tributary lake/pond wetland intertidal other : _____

FISH					WILDLIFE		
SPECIES	STAGE (A J U)	COUNT	METHOD (E V D)	COMMENTS	SPECIES	COUNT	COMMENTS
DV	J	1	V D	Dipnet +1D	Bear	1	tracks
Stickle	J	5	V D				
Coho	J	22	V	Minnow Trap 1+ age grp			
PINK	A	9	V	~~SIZE~~ live			
PINK	A	19	V	~~8/27~~ dead			

8-2B
7B
KS

GRADIENT(%): 1 CHANNEL PROFILE: A B (C) D E F

CHANNEL PATTERN: (single) multi braided

STREAM SUBSTRATE : (rank three most predominant types) BEDROCK ___ BOULDER ___ RUBBLE ___ COBBLE ___ GRAVEL 3 SAND ___ MUD/SILT 1 ORGANICS 2 OTHER: _____

STREAM COVER TYPE: ORGANIC DEBRIS ✓ DEAD BRANCHES/TWIGS ✓ LOGS ___ BOULDERS ✓ CUT BANK ___ OVERHANGING VEGET. ✓ OTHER: _____

STREAM COVER ABUNDANCE: none low medium (high)

RIPARIAN VEGETATION (three most abundant plants in order of dominance) within 20m of the banks:

OVERSTORY: _____ _____ _____

UNDERSTORY: Grass Fern Willow

CANOPY ABOVE STREAM: (none) low medium high

GROWTH: mature secondary shrubs (meadow) muskeg intertidal

TOTAL BARRIER? (y) n BARRIER TO SPECIES: All (adults) (juveniles)

TYPE: fall slide beaverdam logjam (spring) substrate HEIGHT (m): ___ DIST. FROM UPPER EXTENT (m): 80

0 DG

PHOTO ROLL(s): KS 04 VIDEO TAPE(s): DG Ø1

FRAME	DESCRIPTION
10	Pond at terminus W
11	Pond at terminus E
12	Boulder mid seg.
13	2 sock. juv. top seg. 1

DATE	DESCRIPTION
8/12	From terminus / 2 ponds

Substrate: Bedrock (solid) Boulder >1' Rubble 6-12" Cobble 2-6" Gravel .1-2" Sand <.1"

(Please enter comments on the other side)

_REAM HABITAT ASSESSMENT _93 – SEGMENTS

STREAM: Chenega Ø1 SEGMENT: Ø-Ø1 DATE: 8/12/93 TEAM: KS, DG

ANADROMOUS: (y) n WIDTH (m): 3 - 3 LENGTH (m): 100 GPS DATE: __/__/ DIGITIZE: y n

WATERBODY: (mainstem) tributary lake/pond wetland intertidal other : ______

FISH					WILDLIFE		
SPECIES	STAGE (A J U)	COUNT	METHOD (E V D)	COMMENTS	SPECIES	COUNT	COMMENTS
Sockeye	J	10	D	Dipnet + ID	Bear		fishless head
Chum	A	50	V	[illegible]			
Pink	A	10	V				

GRADIENT(%): 1 CHANNEL PROFILE: A B (C) D E F

CHANNEL PATTERN: (single) multi braided

STREAM SUBSTRATE : (rank three most predominant types)
BEDROCK ___ BOULDER ___ RUBBLE 3 COBBLE 2
GRAVEL 1 SAND ___ MUD/SILT ___ ORGANICS ___ OTHER: ______

STREAM COVER TYPE: ORGANIC DEBRIS ✓ DEAD BRANCHES/TWIGS ___ LOGS ___ BOULDERS ___
CUT BANK ✓ OVERHANGING VEGET. ✓ OTHER: ______

STREAM COVER ABUNDANCE: none low (medium) high

RIPARIAN VEGETATION (three most abundant plants in order of dominance) within 20m of the banks:

OVERSTORY: Spruce Hemlock ______
UNDERSTORY: Grass Alder Willow

CANOPY ABOVE STREAM: none (low) medium high

GROWTH: mature secondary shrubs (meadow) muskeg intertidal

TOTAL BARRIER? y (n) BARRIER TO SPECIES: NA adults juveniles

TYPE: fall slide beaverdam logjam spring substrate HEIGHT (m): ___ DIST. FROM UPPER EXTENT (m): ___

PHOTO ROLL(s): KSØ4

FRAME	DESCRIPTION
7	mid seg looking downstream

VIDEO TAPE(s): DG 01

DATE	DESCRIPTION
8/12	Intertidal Pink & Chum adults
8/12	stranded in low water at mouth
〃	

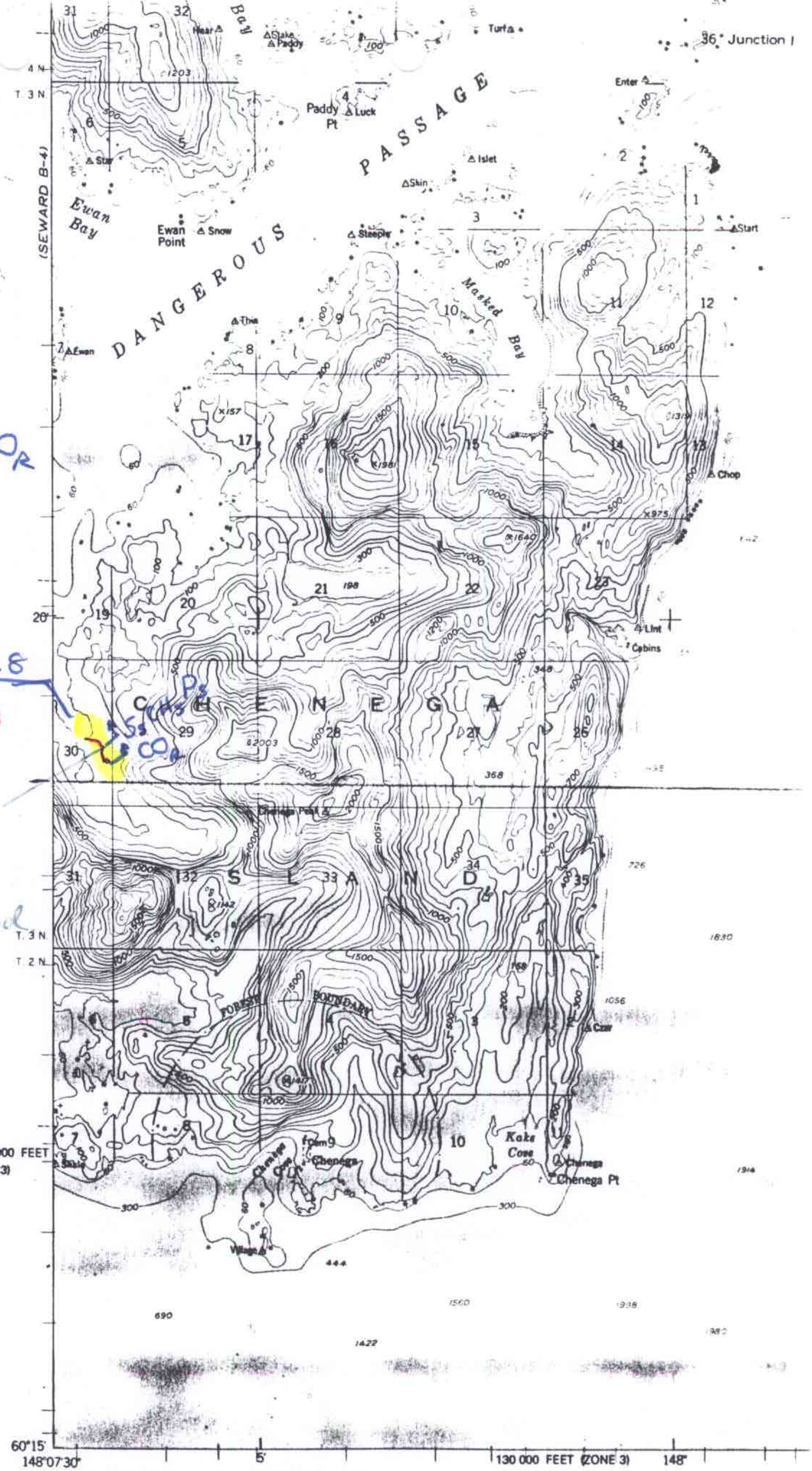
Substrate: Bedrock (solid) Boulder >1' Rubble 6–12" Cobble 2–6" Gravel .1–2" Sand <.1"
(Please enter comments on the other side)

ADD STREAM
226-20-16228
w/ S_s CH_s P_s CO_R

16228

CHUGACH-01
Mainstem

cutout of
So_s CH_s P_s
Coho$_R$ to end



(SEWARD A-4)

Mapped, edited, and published by the Geological Survey

Control by USGS, NOS/NOAA and USCE

Topography by photogrammetric methods from aerial photographs taken 1950. Revised from aerial photographs taken 1982
Map not field checked. Map edited 1987

MEMORANDUM

State of Alaska

DEPARTMENT OF FISH & GAME

TO: Ed Weiss
Habitat Biologist
Region II
Habitat and Restoration Division
Department of Fish and Game

DATE: November 2, 1993

FILE NO.:

TELEPHONE NO.: 267-2295

SUBJECT: Anadromous Stream Nominations and Corrections Project R-51

FROM: Kathrin Sundet KS
Habitat Biologist
Region II
Habitat and Restoration Division
Department of Fish and Game

Attached are anadromous stream nominations and corrections to be included in the Anadromous Waters Catalog for 46 streams surveyed in the summer of 1993 on private lands held by the Chenega and Chugach Alaska Corporations in southwest Prince William Sound.

Streams were surveyed by the Alaska Department of Fish and Game, Habitat and Restoration Division personnel, Kathrin Sundet, Jeff Barnhart, Dan Grey, and Wes Ghormley as part of Exxon Valdez Oil Spill Restoration project R-51 aka SHA (Stream Habitat Assessment).

Streams were surveyed on foot from the intertidal zone to the upper extent of anadromous fish distribution. Adult salmon and Dolly Varden were visually identified and enumerated. Juvenile salmon were visually identified in the stream, and then captured by electroshocking, dipnet, or minnow trap to confirm identification. Sampling was conducted periodically along the stream to determine the presence of juvenile salmon. No attempt was made to determine the rearing population sizes of juvenile salmon, or to determine the total escapement of adult salmon in a stream.

Stream data are on file at the Alaska Department of Fish and Game, Habitat and Restoration office, 333 Raspberry Road, Anchorage, Alaska.

cc: Lance Trasky
Don McKay
Mark Kuwada